

# **Clark County Best Available Science for CARA**

October 1, 2004

## **Designation**

Swanson, Rodney D. and Clifton McCarley. 1995. Southwest Clark County generalized water table altitude and depth to groundwater mapping. Clark County Water Quality Division. GIS layer: Dep2wat

Swanson, Rodney D. 1995. Wellhead Protection Area Delineations for Clark County. Clark County Water Quality Division. GIS layer: grpAzocs

Swanson, R.D., W.D. McFarland, J.B. Gonithier, and J. M. Wilkinson. 1993. A Description of the Hydrogeologic Units in the Portland Basin, Oregon and Washington: USGS Water-Resources Investigation Report 90-4106. GIS layer: Hydrogeo

Ordinance Reference Map: Critical Aquifer Recharge Areas for Clark County, Washington, Clark County Assessment and GIS

GIS layer used for ordinance map: Aquifer. Combination of grpAzocs and hydrogeo layers referenced above

Hart Crowser, 1996. Yacolt Hydrogeologic Study, Yacolt, Washington. J-4234. January 4, 1996.

## **Protection**

Cook, Kirk V. Guidance document for the establishment of critical aquifer recharge area ordinances. Washington Department of Ecology Publication #97-30, Version 4.0. July 2000.

Clark County Code Chapters 13.26A, 40.380, and 40.410.

McFarland, W.D. and Morgan, D.S. 1996. Description of the Ground-Water Flow System in the Portland Basin, Oregon, and Washington. Portland, OR: USGS Water-Supply Paper 2470-A.

McGee, D.A. 1972. Soil Survey of Clark County, Washington. U.S. Soil Conservation Service (Natural Resources Conservation Service).

Morgan, D.S. and McFarland, W.D. 1996. Simulation Analysis of the Ground-Water Flow System in the Portland Basin, Oregon and Washington. Portland, OR: USGS Water-Supply Paper 2470-B.

Pacific Groundwater Group. 2000b. City of Battle Ground Wellhead Protection Plan. JM9904.01. June 2000.

- \_\_\_\_\_. 2000c. Clark Public Utilities Wellhead Protection Plan. Consultant report prepared for CPU, dated November 2000.
- \_\_\_\_\_. 2000d. City of Battle Ground Wellhead Protection Plan. Consultant report prepared for Battle Ground, dated June 2000.
- \_\_\_\_\_. 2001a. Clark Public Utilities Lakeshore Wellfield Exploration and Testing Program. JM8905.40. February 2001.
- \_\_\_\_\_. 2001b. Salmon Creek Basin Monitoring and Management Implementation Plan, Annual Report, 2000. Consultant report prepared for CPU, dated May 2001.
- \_\_\_\_\_. 2001c. City of Washougal Wellhead Protection Plan. JM0004. June 2001.
- \_\_\_\_\_. 2001d. City of Camas Westside Test Well Drilling Program. JM9702.03. August 2001.
- \_\_\_\_\_. 2002a. City of Camas Hydrogeologic Summary and Wellhead Protection Assessment Report. JM0002. February 1, 2002.
- \_\_\_\_\_. 2002b. Salmon Creek Watershed Assessment. October, 2002.
- Rushton, Clifford. Instream Flows in Washington State Past, Present and Future. Department of Ecology, Water Resources Program. Draft July, 2000.
- Snyder, D.T., J.W. Wilkinson, and L.L. Orzol, 1998, Use of a Ground-Water Flow Model with Particle Tracking to Evaluate Ground-Water Vulnerability, US Geological Survey Water Supply Paper 2488.
- Snyder, D.T., Morgan, D.S., and McGrath, T.S. 1994. Estimation of Ground-Water Recharge from Precipitation, Runoff into Dry-wells, and On-Site Waste-Disposal Systems in the Portland Basin, Oregon and Washington. Portland, OR: USGS Water-Resources Investigations Report 92-4010.
- Turney, G.L. 1990 Quality of ground water in Clark County, Washington. 1988: U.S. Geological Survey Water-Resources Investigations Report 90-4149.
- Walsh, T.J., M.A. Korosec, W.M. Phillips, R.L. Logan and W.H. Schasse. 1987. Geologic map of Washington—southwest quadrant. Washington Division of Geology and Earth Resources map GM-34, 28 pp.
- Washington Department of Ecology. Estimated Baseflow Characteristics of Selected Washington River and Streams. Water Supply Bulletin No. 60. Publication No. 99-327, October 1999.

Washington State Department of Health, Environmental Programs. Washington State  
Wellhead Protection Program. December 1993.